

MAGIC™ Graphics Program

DEC PDP-15
DECsystem-10
DEC PDP 11/40

MAGIC (Machine Aided Graphics for Illustration and Composition) is an interactive computer graphics software package used for the preparation, editing, production, and storage of line pictorials, diagrams and other technical documentation.

Key words and phrases:
technical documentation support system, computer aided graphics, multi-font text handling.

The MAGIC documentation support system is a unique computer graphics application for use in the generation of technical documentation in a production-type environment. Through the use of a lightpen, keyboard, and push buttons, a user constructs a "picture" of the desired documentation on a cathode ray tube. Five software generated font styles, ranging in size from six to fourteen point, and a block font which has no size limitation, are supported. A text handling capability, either entered from the keyboard or prepared off-line and "streamed" from a peripheral device, is also provided.

Software is available for two different system configurations. The first, called the "stand-alone" configuration, consists of a DEC PDP-15 minicomputer,

associated peripherals, and a Graphic-2 Illustrator Terminal. The interactive software required to execute in this mode, and additional post-processing software for microfilm records are provided.

The second system configuration is known as the "complete data management system." In this configuration, up to eleven stand-alone terminals operate on-line through a DEC PDP 11/40 to a DECsystem-10 which acts as the data management computer. The communications software and the DECsystem-10 data management software required to execute in this mode, and an auxiliary cross assembler for the PDP-15 which executes on the DECsystem-10, are all provided.

Hardware requirements:

Stand-alone System: PDP-15 (or PDP-9) Minicomputer, Paper Tape Reader/Punch, Teletypewriter or DECwriter, RF-15 Disc, GRAPHIC-2 Display Terminal, TU10 Nine-channel Magnetic Tape.

Complete Data Management System: DECsystem-10, RP-04 and/or RP-05 Discs, DECwriter, Nine-channel Magnetic Tape, Line Printer, PDP 11/40, DA-28 Interprocessor Buffer, One to Eleven Stand-alone Systems, Unibus.

Programming language:

Assembly code
(both system configurations)

License fee:

Stand-alone System:
\$30,000 (first central processing unit)
\$20,000 (each additional CPU)

Complete Data Management System:
\$30,000 (each data management CPU)

For more information, contact the Technology Licensing Manager, AT&T, P.O. Box, 25000, Greensboro, North Carolina 27420 or call (919) 697-6530

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